



## **General Maintenance**

**IMPORTANT: NEVER STAND IN FRONT OF A TRAP MACHINE. THE TRAP MACHINE MUST BE TURNED OFF AND THE SPRING RELEASED BEFORE ENTERING THE TRAP HOUSE. NEVER ATTEMPT TO MAKE ANY ADJUSTMENT WHEN THE THROW ARM IS COCKED.**

Surface Mounted Oil Roller Plates need to be oiled every 2-3 weeks, depending on usage: (The Elevated Roller Plate design does not need this maintenance)

Use 3 in 1 oil, or another good quality lubricant. Place a few drops along the edges of the plate so that the oil works its way under the plate.

1. Inspect the o-rings on the target rollers for wear every 6 - 12 months.
2. Inspect the Target brush for wear every 6 - 12 months.
3. Inspect the Throw Arm Brake Rubber and Flat Spring for wear or breakage every 6 - 12 months.
4. Inspect the throw arm approximately every 6 – 12 months.

If a groove forms on the face of the throw arm rubber, or the bottom edge is badly rounded, then the throw arm may be too high on the rim of the target.

To inspect the height of the throw arm you need to disconnect the main spring. First, move the arm to the front of the machine where the target leaves the machine. There should be 1/32" – 1/16" gap between the lip of the target and the bottom of the throw arm rubber. Take the measurement at the end of the throw arm.

After setting the arm to the correct height make sure that the throw arm scrapers clear the throw plate 360 degrees. Also check the clearance between the scraper and the doubles finger. If the throw arm is bent or the rubber is badly worn, send to PAT-TRAP, Inc. to be repaired.

5. Grease the throw arm shaft bearings every 1 ½ - 2 years. (see page 50 in manual)
6. If the Throw arm rubber surface appears glazed use a block of wood and 80 grit sandpaper to re-dress the surface – making sure to keep the sanding block square to the surface.
7. Grease Main Spring Crank Handle threads & washer yearly.



Maintenance Schedule

Item	Part Number	100,000 Targets	200,000 Targets	400,000 Targets	600,000 Targets	800,000 Targets	1,000,000 Targets
Target Brush	9041	•	•	•	•	•	•
O-Rings	9104	•	•	•	•	•	•
Main Spring (Uni-Bands)	9032		•	•	•	•	•
Throw Arm Rubber	SP120		•	•	•	•	•
Grease Main Shaft Bearings			•	•	•	•	•
8-Pin Relay	9208				•		
5W-20 Oil In Pump							•

- - Inspect and/or Replace if worn or a performance issue.